

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014252.D
 Acq On : 20 Jun 2023 01:55
 Operator : KP/MD
 Sample : VY00619SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBL02

Quant Time: Jun 20 05:06:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

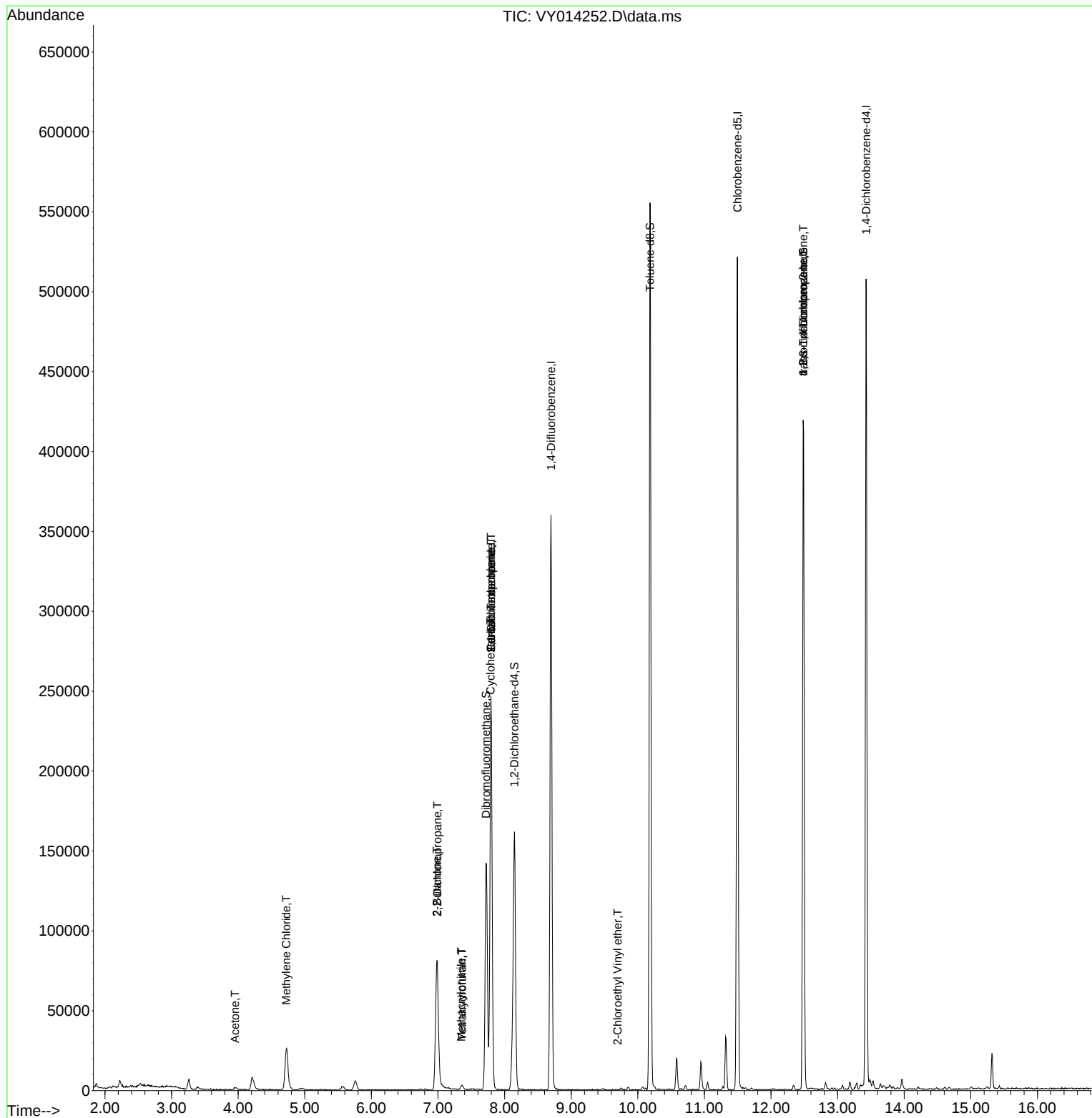
Internal Standards						
1) Pentafluorobenzene	7.795	168	191081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	297788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	280467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122783	46.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.280%		
35) Dibromofluoromethane	7.722	113	98430	46.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.220%		
50) Toluene-d8	10.185	98	358474	45.403	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.800%		
62) 4-Bromofluorobenzene	12.483	95	112229	40.015	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	80.040%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1942	Below Cal	#	89
13) Acrolein	3.716	56	25	Below Cal		89
16) Acetone	3.954	43	2562	3.194	ug/l	95
20) Methylene Chloride	4.722	84	18297	3.835	ug/l	95
25) 2-Butanone	6.984	43	4867	4.930	ug/l #	80
26) 2,2-Dichloropropane	6.990	77	5978	1.458	ug/l #	54
29) Tetrahydrofuran	7.362	42	1967	3.142	ug/l #	89
31) Cyclohexane	7.789	56	4316	1.211	ug/l #	42
36) 1,1-Dichloropropene	7.795	75	14874	4.518	ug/l #	51
38) Carbon Tetrachloride	7.795	117	19206	5.055	ug/l #	18
41) Methacrylonitrile	7.350	41	1224	1.056	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.697	63	22	28.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	61033	36.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61033	77.967	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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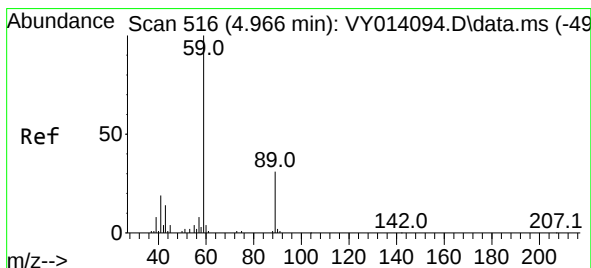
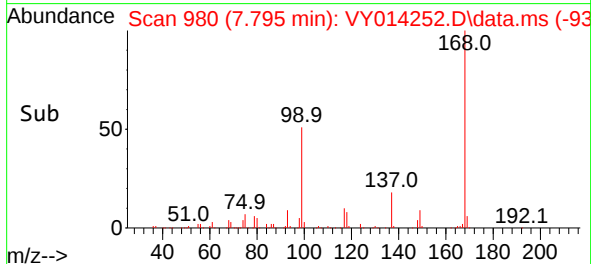
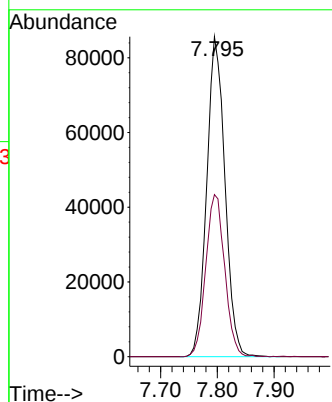
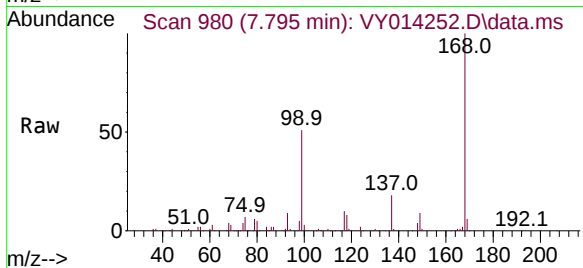




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

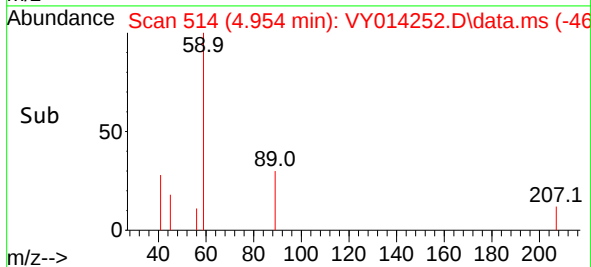
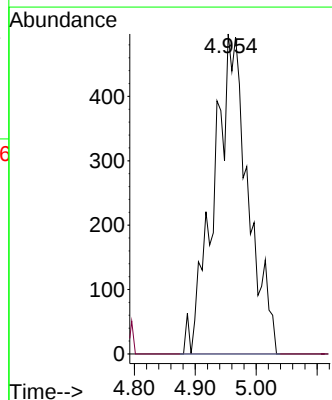
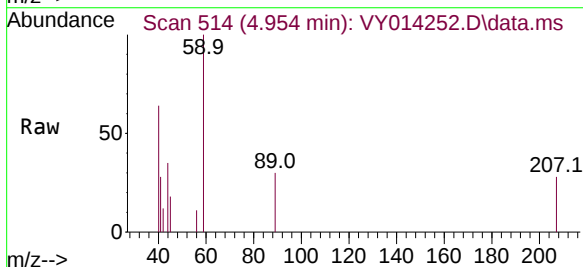
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL02

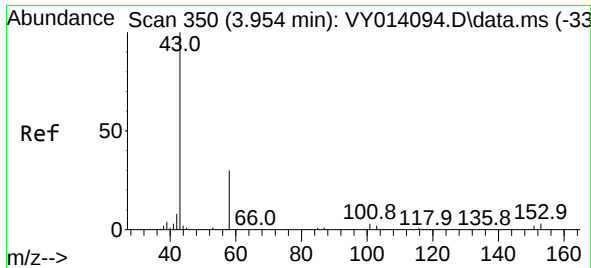
Tgt Ion:168 Resp: 191081
Ion Ratio Lower Upper
168 100
99 50.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

Tgt Ion: 59 Resp: 1942
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 3.194 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

Instrument :

MSVOA_Y

ClientSampleId :

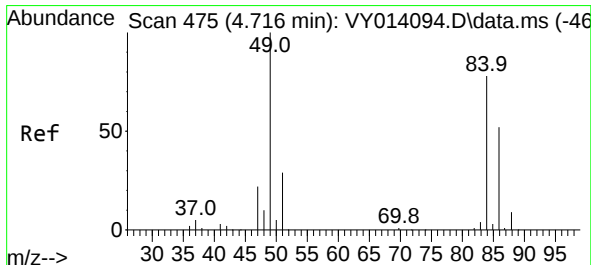
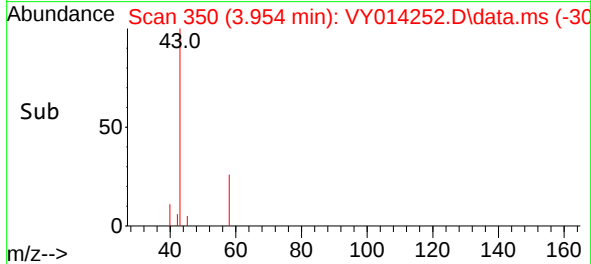
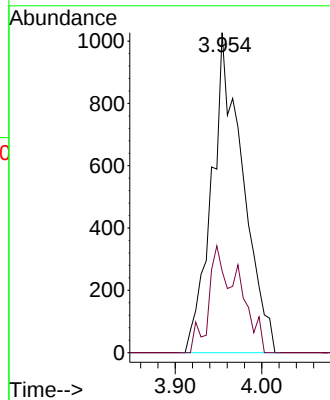
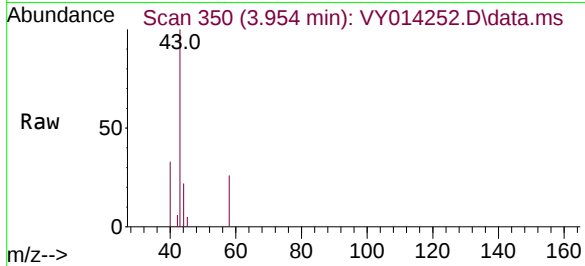
VY0619SBL02

Tgt Ion: 43 Resp: 2562

Ion Ratio Lower Upper

43 100

58 25.5 22.7 34.1



#20

Methylene Chloride

Concen: 3.835 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

Tgt Ion: 84 Resp: 18297

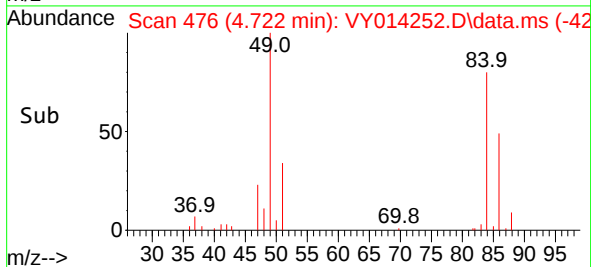
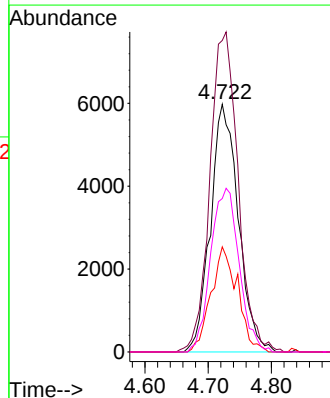
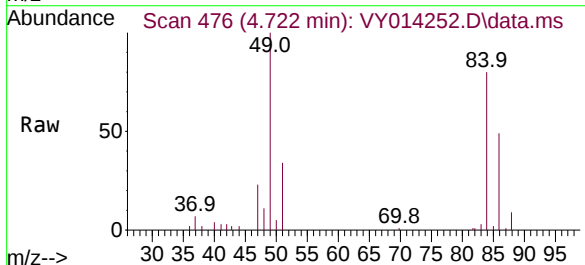
Ion Ratio Lower Upper

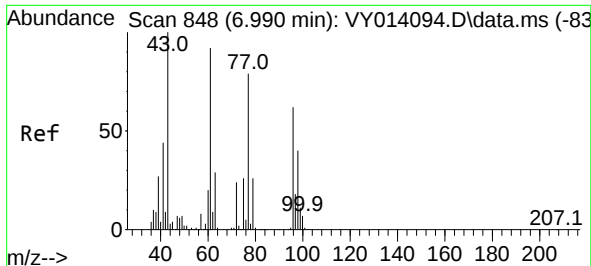
84 100

49 124.8 106.9 160.3

51 42.4 33.2 49.8

86 61.9 51.0 76.6

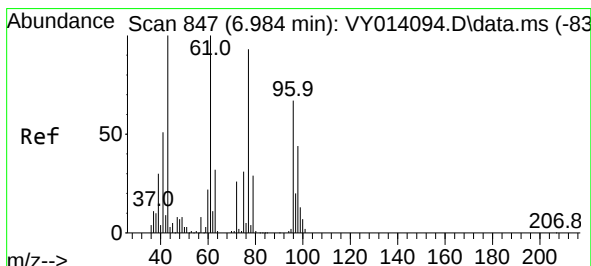
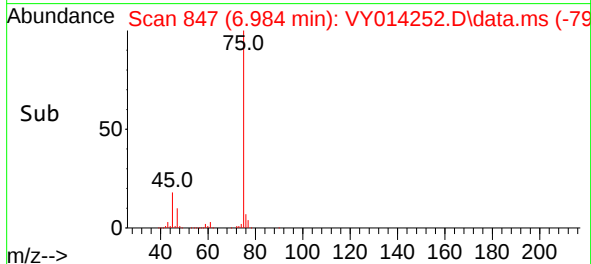
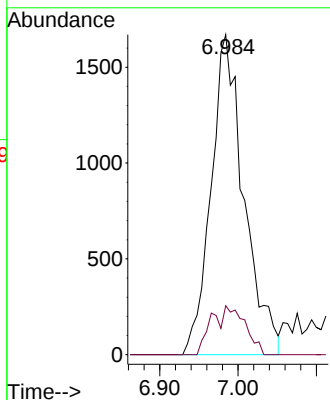
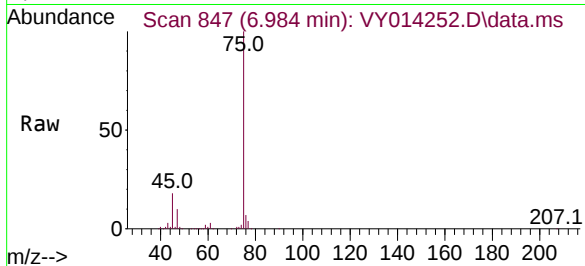




#25
2-Butanone
Concen: 4.930 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

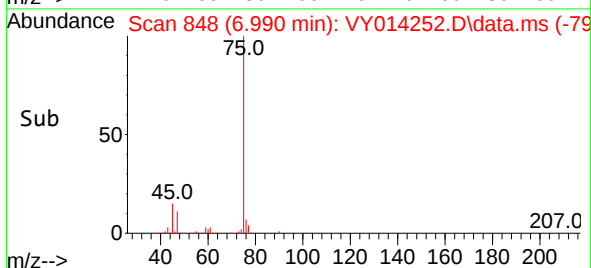
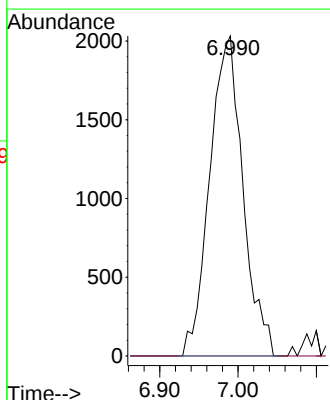
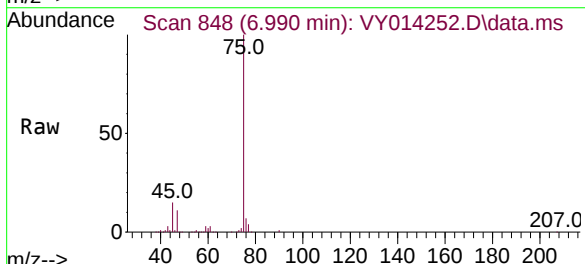
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL02

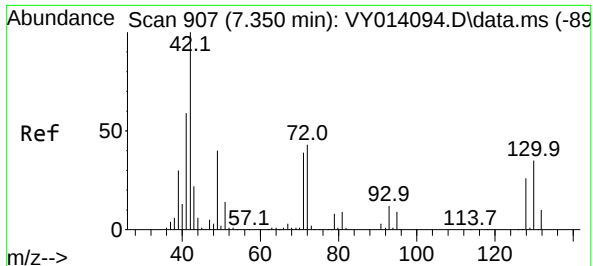
Tgt Ion: 43 Resp: 4867
Ion Ratio Lower Upper
43 100
72 15.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.458 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

Tgt Ion: 77 Resp: 5978
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 3.142 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBL02

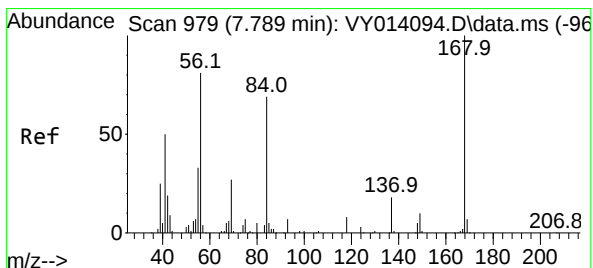
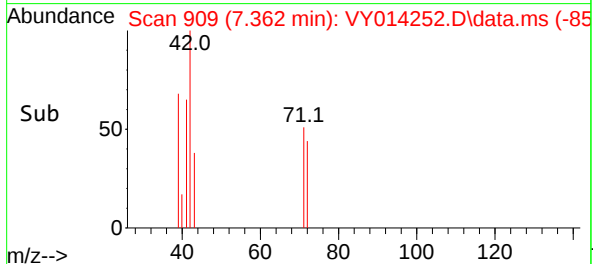
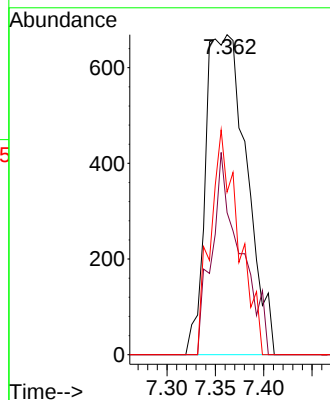
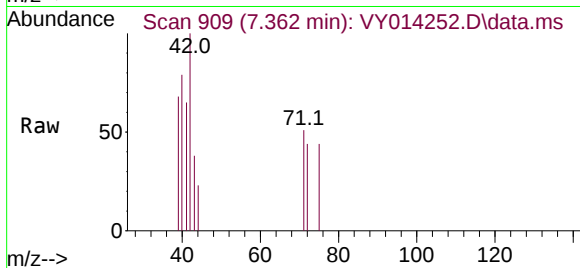
Tgt Ion: 42 Resp: 1967

Ion Ratio Lower Upper

42 100

72 44.3 32.8 49.2

71 48.8 31.0 46.4#



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

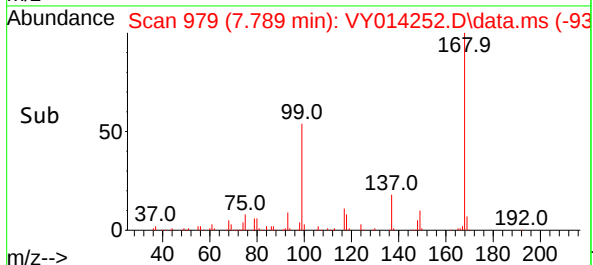
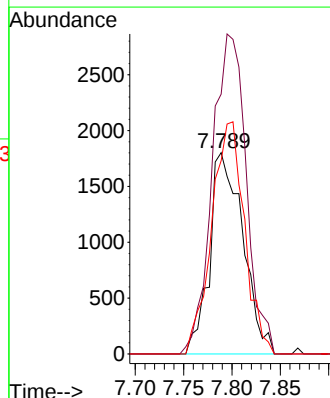
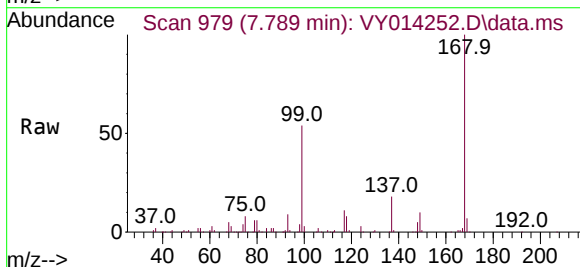
Tgt Ion: 56 Resp: 4316

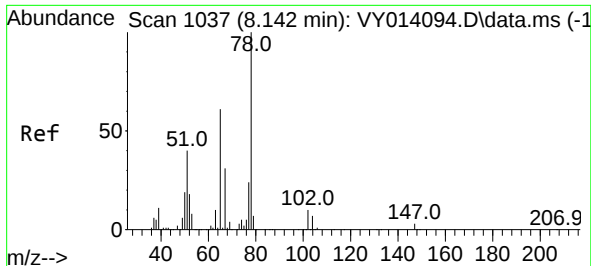
Ion Ratio Lower Upper

56 100

69 129.1 27.8 41.6#

84 96.1 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 46.145 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

Instrument :

MSVOA_Y

ClientSampleId :

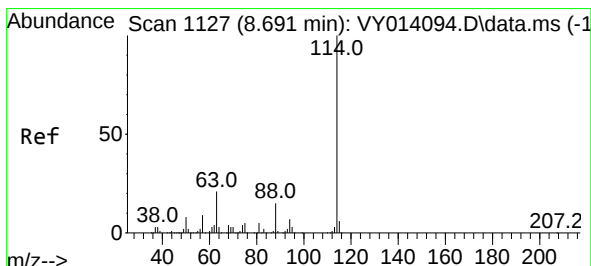
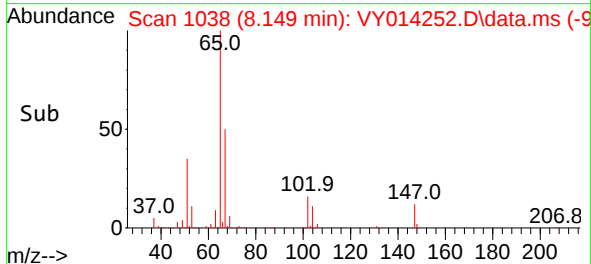
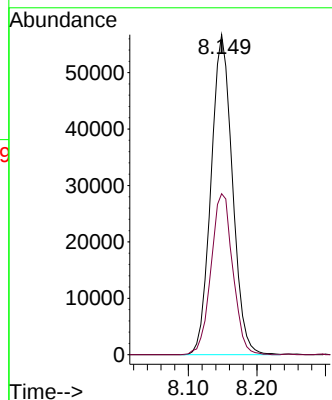
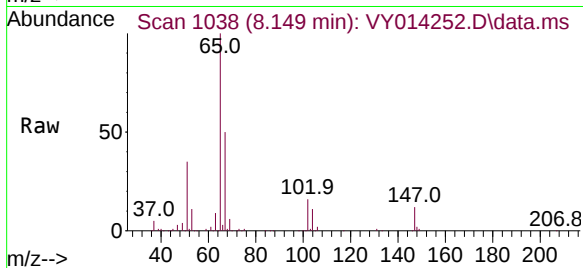
VY0619SBL02

Tgt Ion: 65 Resp: 122783

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

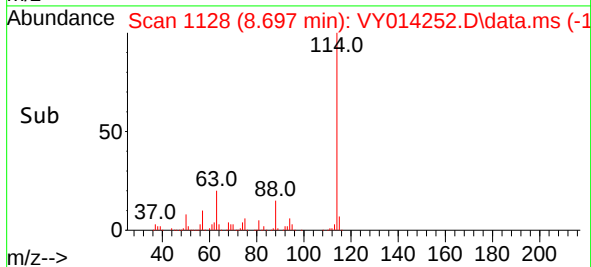
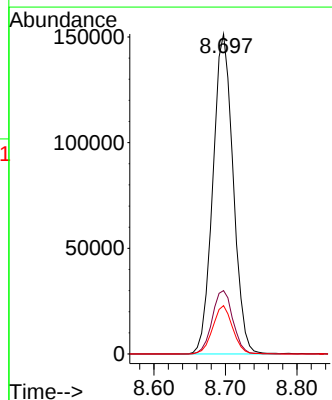
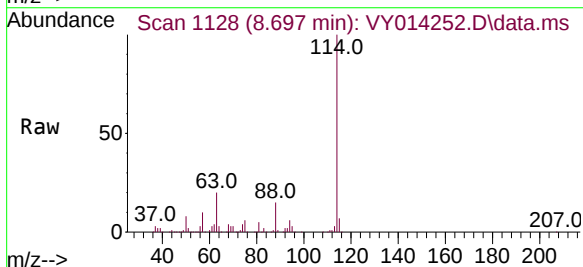
Tgt Ion: 114 Resp: 297788

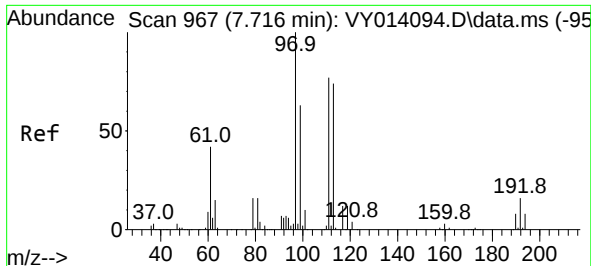
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.609 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBL02

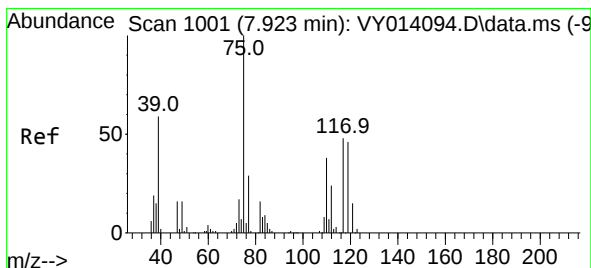
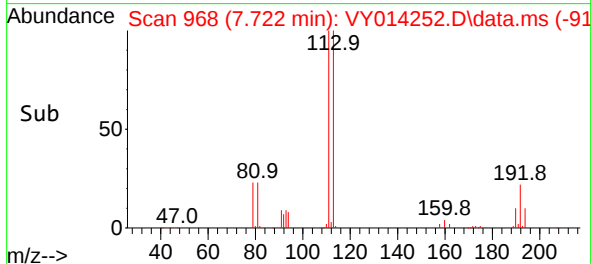
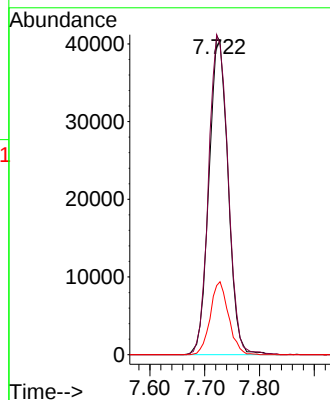
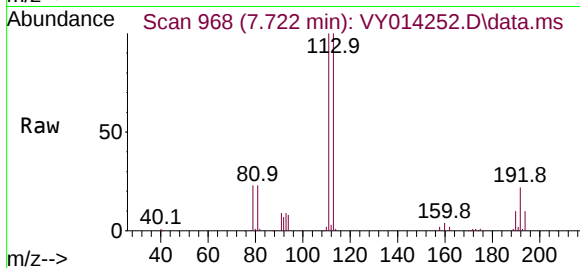
Tgt Ion:113 Resp: 98430

Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 22.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.518 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

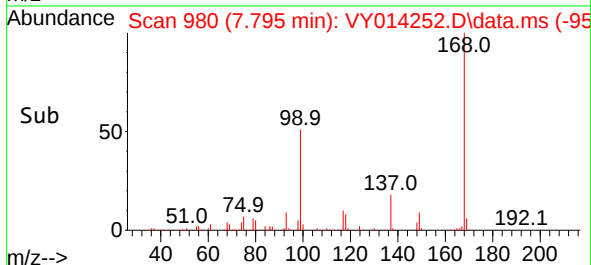
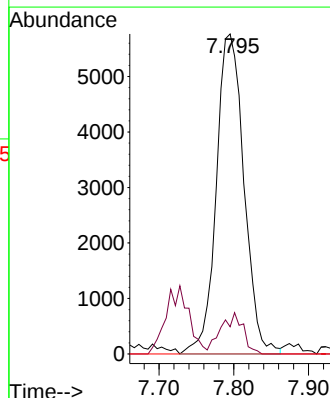
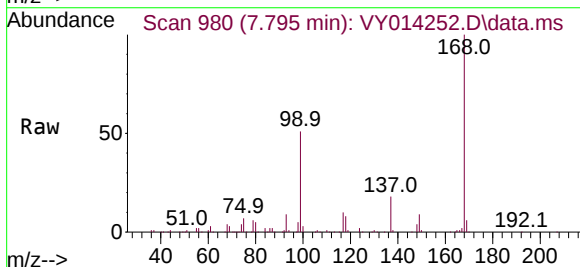
Tgt Ion: 75 Resp: 14874

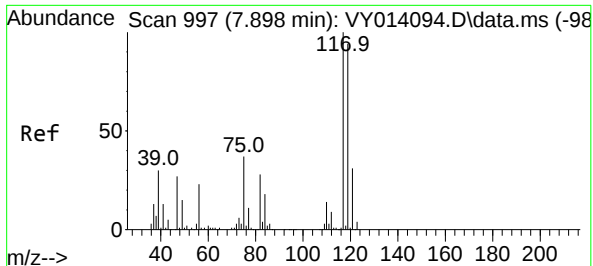
Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.5#

77 0.0 24.4 36.6#

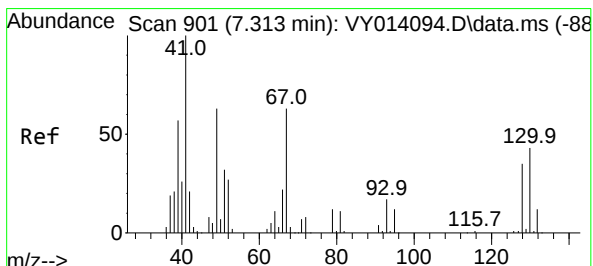
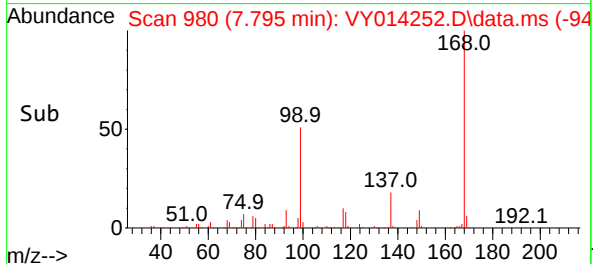
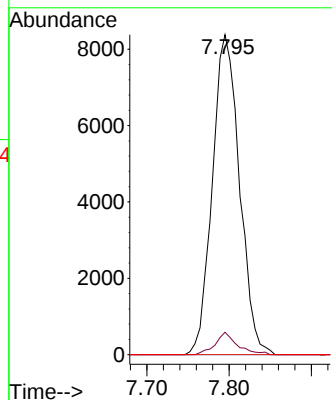
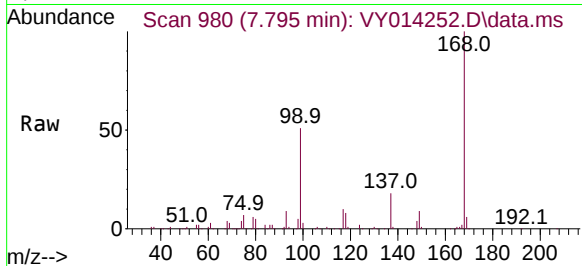




#38
Carbon Tetrachloride
Concen: 5.055 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

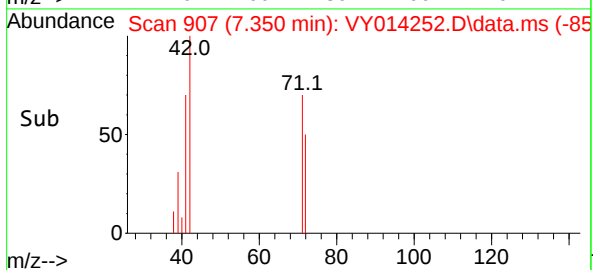
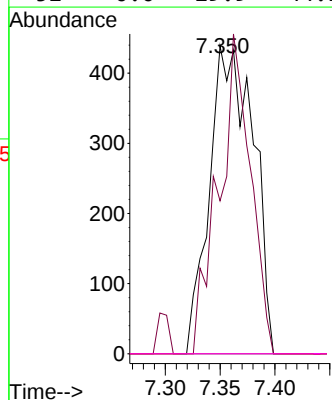
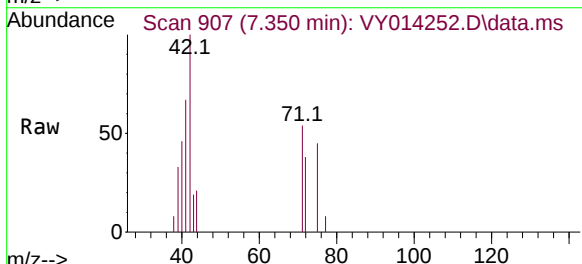
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL02

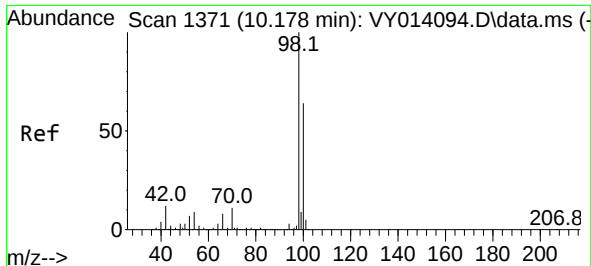
Tgt Ion:117 Resp: 19206
Ion Ratio Lower Upper
117 100
119 7.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.056 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

Tgt Ion: 41 Resp: 1224
Ion Ratio Lower Upper
41 100
39 75.0 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

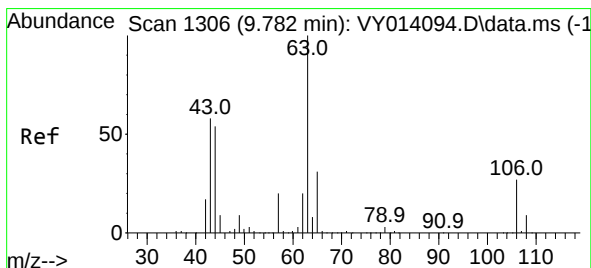
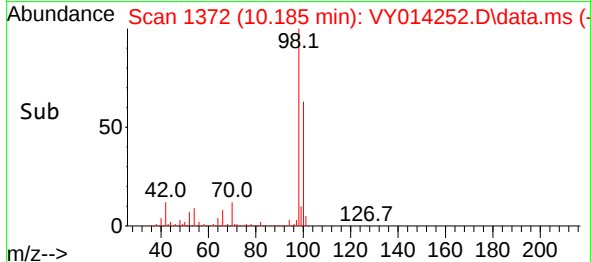
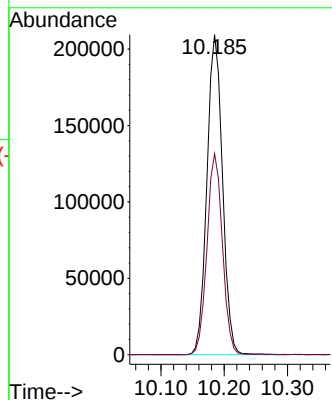
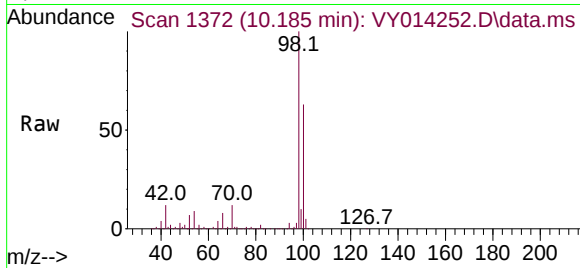




#50
Toluene-d8
Concen: 45.403 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

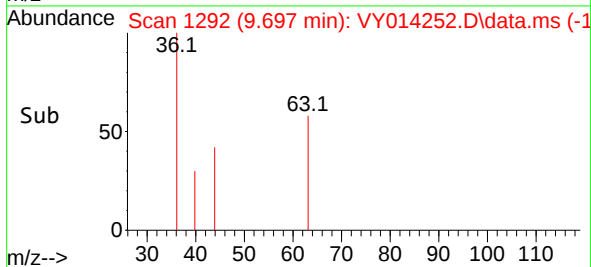
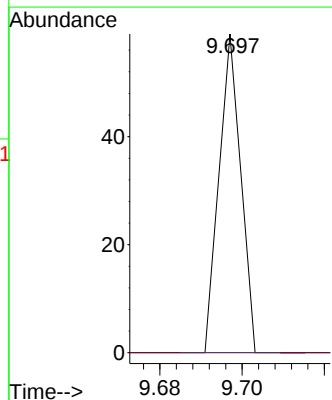
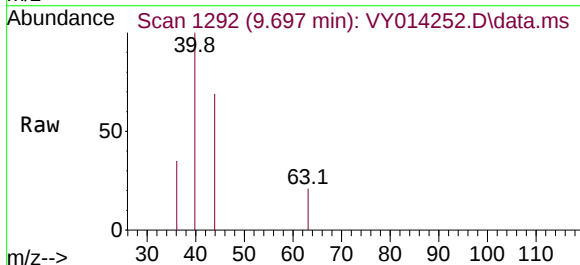
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL02

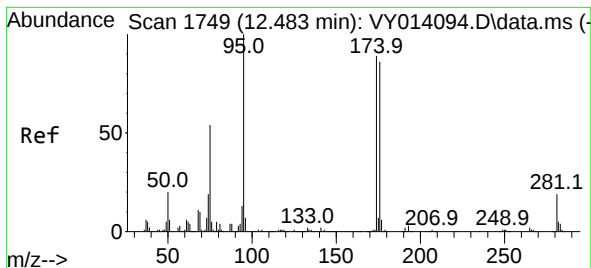
Tgt Ion: 98 Resp: 358474
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.635 ug/l
RT: 9.697 min Scan# 1292
Delta R.T. -0.085 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

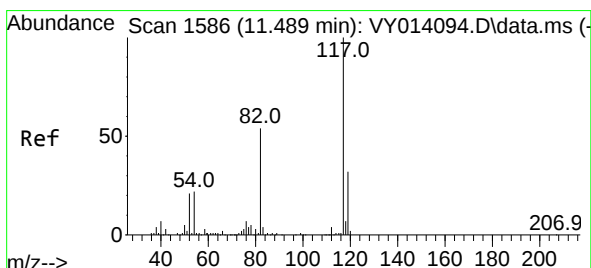
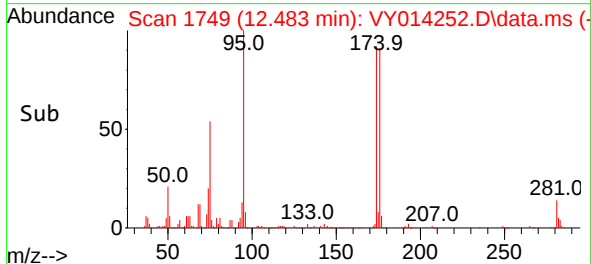
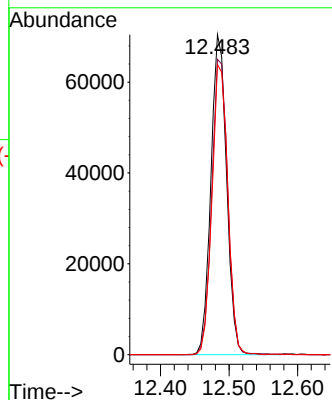
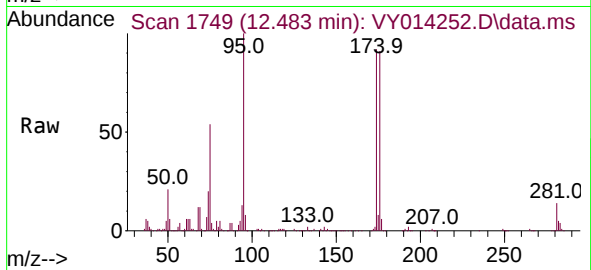




#62
4-Bromofluorobenzene
Concen: 40.015 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

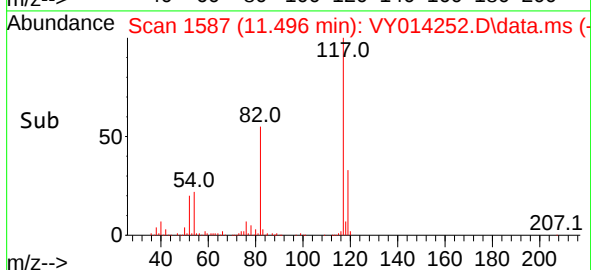
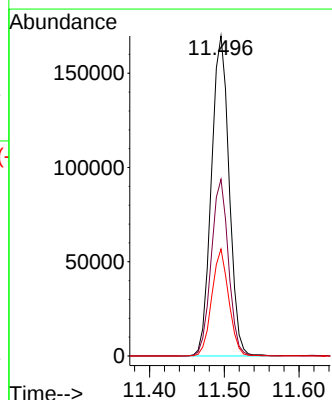
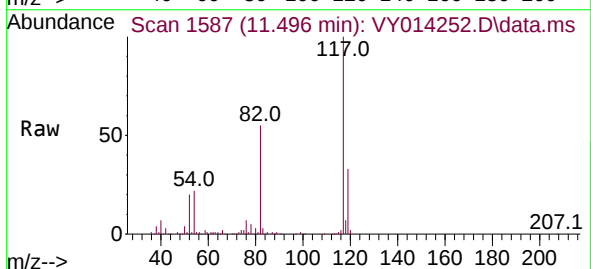
Instrument :
MSVOA_Y
ClientSampleId :
VY0619SBL02

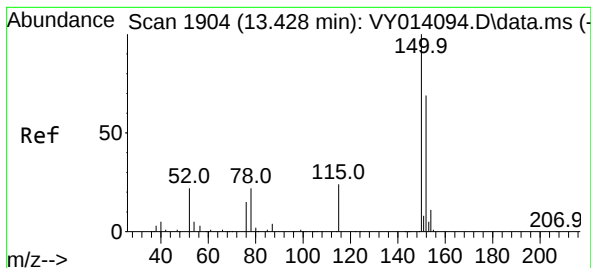
Tgt Ion: 95 Resp: 112229
Ion Ratio Lower Upper
95 100
174 93.7 0.0 178.2
176 91.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014252.D
Acq: 20 Jun 2023 01:55

Tgt Ion: 117 Resp: 280467
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 33.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014252.D

Acq: 20 Jun 2023 01:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0619SBL02

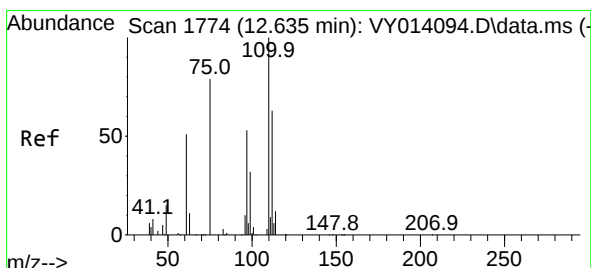
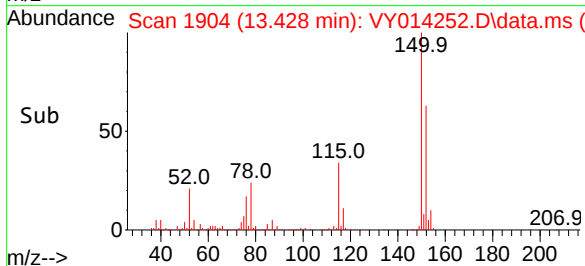
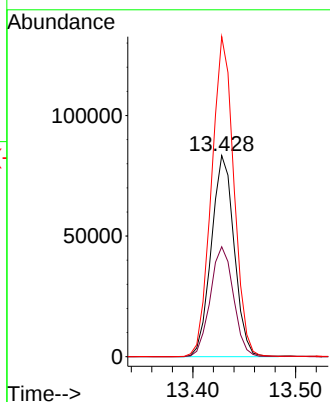
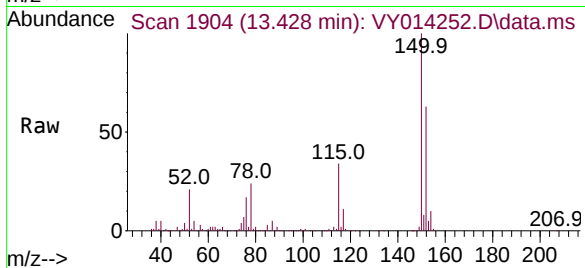
Tgt Ion:152 Resp: 128975

Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 155.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.069 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014252.D

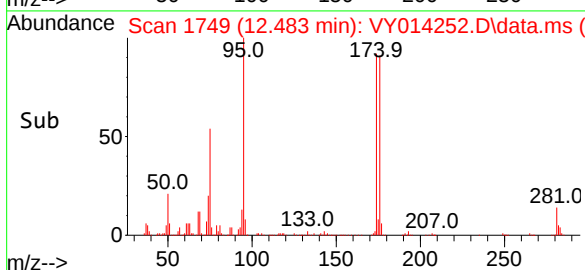
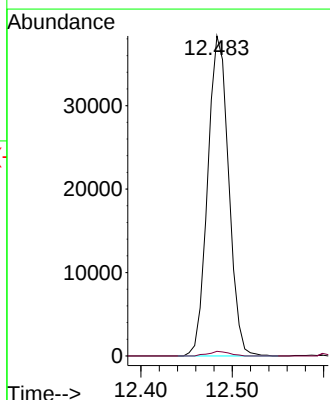
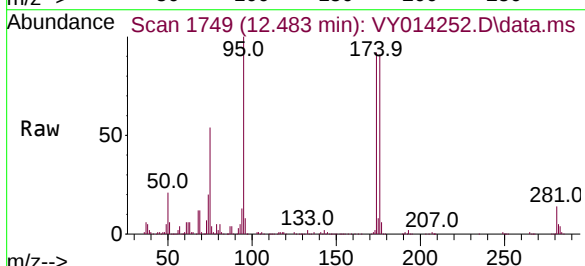
Acq: 20 Jun 2023 01:55

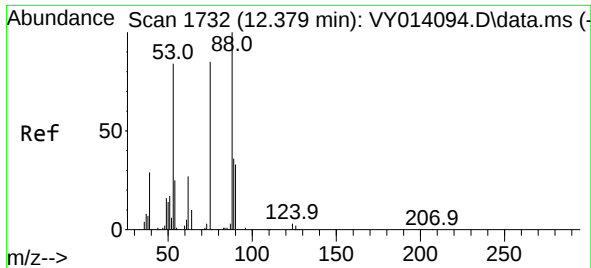
Tgt Ion: 75 Resp: 61033

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.967 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014252.D
 Acq: 20 Jun 2023 01:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBL02

Tgt Ion: 75 Resp: 61033
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.3 37.4 56.0#

